

Name \_\_\_\_\_ Date \_\_\_\_\_

**Note:** Students need a centimeter ruler and 6 small paper clips to complete the assessment.

1. Use your **ruler** to find the length of the crayon and the pencil.



a. How long is the crayon? \_\_\_\_\_ centimeters

b. How long is the pencil? \_\_\_\_\_ centimeters

c. Which is longer?      pencil                  crayon

d. How much longer? \_\_\_\_\_ centimeters

2. Samantha and Bill are having a bean bag throwing contest and need to measure each of their throws.



- a. Circle the most appropriate tool to measure their throws.

ruler      paper clips      meter stick      centimeter cubes

- b. Explain your choice using pictures or words.

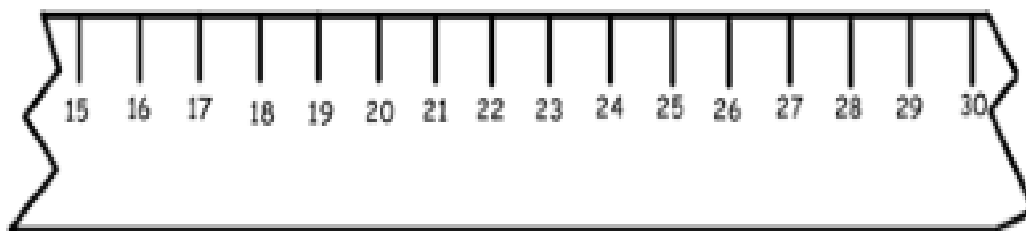
- c. Bill throws his bean bag 5 meters, which is 2 meters farther than Samantha threw her bean bag.

How far did Samantha throw her bean bag? Draw a diagram or picture to show the length of their throws.

- d. Sarah threw her bean bag 3 meters farther than Bill.  
Who won the contest? How do you know?

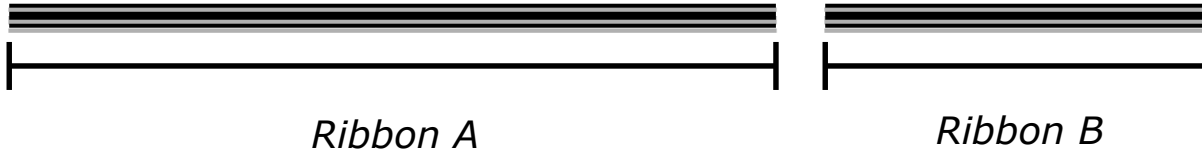
3. Use the broken centimeter ruler to solve the problem.

A grasshopper jumped 7 centimeters forward and 4 centimeters back and then stopped. If the grasshopper started at 18, where did the grasshopper stop? Show your work.



The grasshopper stopped at \_\_\_\_\_ centimeters.

4.

**Vanessa's Ribbons**

- a. **Measure** the length of **Ribbon A** with your centimeter ruler and your paper clip. Write the measurements on the lines below.

\_\_\_\_\_ centimeters

\_\_\_\_\_ paper clips

- b. Explain why the number of centimeters is larger than the number of paper clips. Use pictures or words.

- c. **Estimate** the length of **Ribbon B** in paper clips.

\_\_\_\_\_ paper clips

- d. How much longer is Ribbon A than Ribbon B? Give your answer in centimeters.
- e. Vanessa is using the ribbons to wrap a gift. If she tapes the ribbons together with no overlap, how many centimeters of ribbon does she have altogether?
- f. If Vanessa needs 20 centimeters of ribbon, how much more does she need?